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[54] AIR CLEANER

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To heighten the degree of freedom in the installation of a deodorant and make the deodorant thin by heightening the degree of freedom in the shape of the deodorant and to make it easy to replace dust collecting filters.

SOLUTION: This air cleaner comprises a dust collecting part 1 having a fan 12 and a dust collecting filter 13, a catalyst layer 25 filled with a particle of a photocatalyst 24, and a deodorization part 2 having a LED 23 for radiating light with short wavelength to the catalyst layer 25. The deodorization part 2 is engaged with and held in the dust collecting part 1 in a detachable manner. The dust collecting filter 13 can easily be replaced with new one by taking out the deodorization part 2. Moreover, since a granular photocatalyst is employed, light can be radiated with little directional restriction and the option of the installation of the light source is high. Consequently, the ventilation resistance can be kept low and the thickness of the deodorization part can be thin.

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